PTO/SB/05 (03-01)

UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1 53(b))

Attorney Docket No.		2741.2.3	_	
First Inventor		Mario Hieb	PT.	
Title	EXCITER/PHASOR/TRANSMITTER FOR DIRECTIONAL ANTENNA SYSTEM			
Express Mail Label No.		. EL919931250US	9/0	

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		Assistant Commissioner for Patents 'D' ADDRESS TO: Box Patent Application Washington, DC 20231						
Fee Transmittal Form (Submit an original, and a duplicate for fee processing)	7.	. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)						
2. X Applicant claims small entity status. See 37 CFR 1.27	8.	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)						
3. X Specification [Total Pages 21] (preferred arrangement set forth below) - Descriptive title of the Invention		a. Computer Readable Form (CRF)						
- Descriptive title of the Invention - Cross References to Related Application		b. Specification Sequence Listing on:						
Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a computer program listing appendix		i. CD-ROM or CD-R (2 copies); or ii. paper						
- Background of the Invention - Brief Summary of the Invention								
- Brief Description of the Drawings (if filed)		c. Statement verifying identify of above copies						
- Detailed Description - Claim(s)		ACCOMPANYING APPLICATION PARTS						
- Abstract of the Disclosure	9.	Assignment Papers (cover sheet & document(s))						
4. X Drawing(s) (35 USC 113) [Total Sheets 9]	10.	. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney						
5. Oath or Declaration [Total Pages 2]	11.	. English Translation Document (if applicable)						
a. X Newly executed (original or copy)	12.	Information Disclosure Copies of IDS Statement (IDS)/PTO-1449						
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation /divisional with Box 17 completed)	13.	. Preliminary Amendment						
i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)		 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) if foreign priority is claimed) 						
named in prior application, see 37 CFR 1.63(d) and 1.33(b).								
6. Application Data Sheet. See 37 CFR 1.76		16. Nonpublication Request under 37 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.						
	17.	17. X Other: Express Mail Certificate						
17. If a CONTINUING APPLICATION, check appropriate box and s	supply the	e requisite information:						
Continuation Divisional X Continuation	Continuation Divisional Continuation-in-part (CIP) of prior application No.: 60/175,071 and 09/755,609							
Prior application information: Examiner: Reginald A. Ratliff		Group Art Unit: 2821						
For CONTINUATION OR DIVISIONAL APPS only: The entire disclos supplied under Box 5b is considered as being part of the disclosure of the incorporation can only be relied upon when a portion has been in	of the acc	ompanying application and is hereby incorporated by reference.						
18. CORRESPO								
X Customer Number or Bar Code Label								
John R. Thompson								
MADSON & METCALF								
15 West South Temple, Suite 900								
ADDRESS								
CITY Salt Lake City 5	STATE	Utah ZIP 84101						
COUNTRY U.S.A. TELEPI	HONE ((801) 537-1700 FAX (801) 537-1799						

Docket No.: 2741.2.3

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

· :

"Express Mail" Mailing Label No.: EL919931250US

Date of Deposit: November 21, 2001

I hereby certify that this patent application in the name of Mario Hieb for EXCITER/PHASOR/TRANSMITTER FOR DIRECTIONAL ANTENNA SYSTEM, together with the drawings, a Utility Patent Application Transmittal, a Fee Transmittal, a Credit Card Payment Form for \$370, and a single signature Declaration, Power of Attorney, and Petition, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

John R. Thompson

Rég. No. 40,842 Attorney for Applicant

Date: November 21, 2001

MADSON & METCALF Gateway Tower West 15 West South Temple, Suite 900 Salt Lake City, Utah 84101 Telephone: 801/537-1700

c:\corr\011121 07

PTO/SB/17 (11-01)

Approved for use through 10/31/2002 OMB 0651-0032
Patent and Trademark Office U S DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

			Complete If Known					
	f	Application Number						
FEE TRANSMITTAL		Filing Date		1.4	November 21, 2001			
for FY 2002		First Named Inventor		ventor	Mario Hieb			
Patent fees are subject to annual revision.		Group Art Unit						
Applicant claims small entity status See 37 CFR 1.27		Examiner Name						
TOTAL AMOUNT OF PAYMENT \$ 370					er 2741.2.3			
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued) 3. ADDITIONAL FEES							
☐ Check ☑ Credit card ☐ Money Order ☐ Other ☐ None		Entity		l Entity				
Deposit Account.	_	-		Linuty	Fac Description	Fee Paid		
Deposit Account Number 13-0763	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	ree Palu		
Deposit Account	105	130	205	65	Surcharge - late filing fee or oath			
Name MADSON & METCALF	127	50	227	25	Surcharge - late provisional filing fee or cover			
The Commissioner is authorized to: (check all that apply)					sheet			
Charge fee(s) indicated below	139	130	139		Non-English specification			
Charge any additional fee(s) during the pendency of this application	147	2520	147	2520	For filing a request for reexamination			
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account	112	920*	112	920*	Requesting publication of SIR prior to Examiner action			
	113	1840*	113	1840*	Requesting publication of SIR after Examiner action			
FEE CALCULATION	115	110	215	55	Extension for reply within first month			
1 BASIC FILING FEE	116	400	216	200	Extension for reply within second month			
147 147 147	117	920	217		Extension for reply within third month			
Large Entity Small Entity	118	1440	218	720	Extension for reply within fourth month			
Fee Fee Fee Pee Paid Code (\$)	128	1960	228	980	Extension for reply within fifth month			
·	119	320	219	160	Notice of Appeal			
101 740 201 370 Utility filing fee 370 106 330 206 165 Design filing fee	120	320	220		Filing a brief in support of an appeal			
riegie.	121 138	280 1510	221 138	140 1510	Request for oral hearing Petition to institute a public use proceeding			
107 510 207 255 Plant filing fee	140	110	240		Petition to revive - unavoidable	-		
740 200 370 Reissade militigree 200 370 Reissade militigre	141	1280	241	640	Petition to revive - unintentional			
SUBTOTAL (1) 370	142	1280	242	640	Utility issue fee (or reissue)			
2 EXTRA CLAIMS FEES FOR UTILITY AND REISSUE	143	460	243	230	Design issue fee			
Extra Claims Fee from below Fee Paid	144	620	244		Plant issue fee			
Total Claims 18 -20** = 0 x 9 = 0	122	130	122	130	Petitions to the Commissioner			
Ind. Claims 3 -3** = 0 x 42 = 0	123	50	123		Processing fee under 37 CFR 1 17(q)			
Multiple Dep. Claims 0 x 140 = 0	126	180	126		Submission of Information Disclosure Stmt			
Large Entity Small Entity	581	40	581	40	Recording each patent assignment per property (times number of properties)			
Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))			
103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3	149	740	249	370	For each additional invention to be examined (37 CFR 1 129(b))			
104 280 204 140 Multiple dependent claim	179	740	279		Request for Continued Examination (RCE)			
109 84 209 42 **Reissue independent claims over original patent	169	900	169	900	Request for expedited examination of a design application			
110 18 210 9 **Reissue claims in excess of 20 and over original patent	Other	fee (specif	fy)					
SUBTOTAL (2) 0	l			_	OUDTOTAL (C)			
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee SUBTOTAL (3) 0					<u>'</u>			

SUBMITTED BY		Complete (if applicable)			
Typed or Printed Name	John R. Thompson			Reg. Number	40,842
Signature	John 70 a ma	Date	Nov 21, 2001	Deposit Account User ID	